

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. - 11. (canceled).

12. (currently amended): ~~A support device~~ The angiographic injection system according to claim ~~11~~19, wherein each notch is connected to the central portion via a cam-forming convex curved surface.

13. - 16. (canceled).

17. (currently amended): ~~An~~ The angiographic injection system according to claim ~~15;~~ 19, wherein the recess is rearwardly open, and wherein the front face of the injector forms the rear face of the recess.

18. (currently amended): ~~An~~ The angiographic injection system according to claim ~~15;~~ 19, wherein the head of the pusher and the piston comprise between them an undercut peg and a slot that is open in said reception direction or in the opposite direction such that when the pusher is in the retracted position, putting the projection of the syringe into place in the recess by moving in the direction opposite to said reception direction causes the peg to be inserted into the slot.

19. (new): An angiographic injection system comprising :

an angiographic injector having an axially-movable pusher having a front end;

at least one angiographic syringe including a body provided with an outwardly-projecting projection at a proximal end of the body, a cross-section of the body at said projection being non-circular, said projection being constituted by two diametrically-opposite tabs, the syringe also comprising a piston movably disposed in the body, said piston being provided with means for releasably coupling the piston to a front head of the pusher; and

releasable means, for securing the syringe to a front face of the injector, and comprising a support device secured to the front face of the injector,

the support device including a recess that is open in a reception direction and presents firstly a non-circular cross-section that is complementary to a portion of the cross-section of the syringe body at the location of said projection, and secondly a front face for coming into abutment against said projection, the device being extended forwards by a cradle for supporting the syringe body, wherein the recess includes a central portion that is circularly arcuate in cross-section, and that is extended by two diametrically-opposite notches, each said projection being adapted to be received in one of the notches in such a manner as to be positioned thereby, wherein said central portion extends the inside surface of the cradle,

wherein, starting from the position in which the syringe is secured, the system is arranged in such a manner that turning the syringe through 90° causes it to be lifted by one of the tabs cooperating with the bottom of the associated notch, then with said central portion, whereby the piston and the pusher are disconnected, the syringe then being removable in a forward direction, even if the pusher is engaged inside the body of the syringe, by a sliding movement of said one tab, along said central portion, and then along said inside surface of the cradle.

AMENDMENT UNDER 37 C.F.R. § 1.111  
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20. (new): The angiographic injection system according to claim 19, wherein said reception direction is directed upwardly.